

Exhibit 20

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UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF CALIFORNIA
SAN FRANCISCO DIVISION

NETLIST, INC.,
Plaintiff,
vs.
GOOGLE LLC,
Defendant.

Case No: 4:09-cv-05718 RS

**ORDER ON GOOGLE’S MOTION
TO STRIKE, GOOGLE AND
NETLIST’S RESPECTIVE MOTIONS
FOR SUMMARY JUDGMENT, AND
GOOGLE’S MOTION TO AMEND**

AND RELATED COUNTERCLAIM.

I. INTRODUCTION

Netlist brings the instant action against Google for infringement of U.S. Patent No. 7,619,912 (“the ‘912 patent”). The ‘912 patent relates to memory module technology. A memory module (also known as a “dual in-line memory module” or “DIMM”) contains individual memory devices (e.g., “dynamic random-access memory” or “DRAM”) arranged on a printed circuit board. The memory devices are combined into sets or “ranks” to increase the capacity of the module. For a given amount of total module memory, it is more cost-effective to use a larger number of low-density memory devices, rather than a smaller number of high-density memory devices. However, most computer systems are unable to take advantage of this feature. The ‘912 patent overcomes this issue by, among other things, implementing circuitry into the memory module that translates between the computer system’s memory controller and the memory devices on the module.

Presently pending are: (1) Google’s Motion to Strike Netlist’s New Assertion of Claim 16 and New Dates for Priority and Conception that Were Not in Its Original Patent Local Rule

3-1 Disclosures, Dkt. 153; (2) Google’s Motion for Summary Judgment on the Issue of Absolute Intervening Rights, Dkt. 155; (3) Netlist’s Motion for Partial Summary Judgment on Google’s Intervening Rights Defense for Claim 16, Dkt. 156; and (4) Google’s Motion to Amend Answer and Counterclaims, Dkt. 206. Google’s motion to strike is granted with respect to the new priority and conception dates for lack of diligence; the motion is denied as to claim 16, on the ground that Netlist could not have asserted the claim earlier. With regard to the defense of intervening rights, Netlist’s motion for summary judgment as to claim 16 is granted because the reexamined claim—confirmed to be patentable as originally issued and rewritten in independent form—is identical to the original claim 16. Google’s motion for summary judgment on its defense of intervening rights is denied as to claim 16; the motion is granted as to the remainder of Netlist’s asserted claims, which were narrowed during the reexamination proceedings. Finally, Google’s motion to amend its Answer and Counterclaims is granted on the ground that good cause has been shown and the liberal standard of Federal Rule of Civil Procedure 15(a)(2) has been met.

II. MOTION TO STRIKE

A. RELEVANT BACKGROUND

Netlist filed a Complaint for Patent Infringement on December 4, 2009. Dkt. 1. On April 8, 2010, Netlist served its Disclosure of Asserted Claims and Infringement Contentions in accordance with Patent Local Rule (“PLR”) 3-1. Dkt. 152-6. The disclosure identified claims 1, 3, 4, 6-11, 15, 18-22, 24, 25, 27-29, 31-34, 36-39, 41-45, and 50 of the ’912 patent, and asserted the claims against certain memory modules known as 4-Rank DDR2 FBDIMMs. *Id.* at 1-2. Claim 16 of the ’912 patent was not asserted. *Id.* Netlist further asserted that the ’912 patent is entitled to a priority date of July 1, 2005. *Id.*

On October 21, 2010, Google filed a request for *inter partes* reexamination of the ’912 patent, challenging each of the 34 claims asserted by Netlist. Dkt. 153-6. The PTO granted Google’s request on January 18, 2011, and this action was stayed pending completion of the reexamination proceedings on January 26, 2011. Dkt. 68. On February 25, 2011, the PTO *sua*

1 *sponte* consolidated Google’s reexamination proceeding with proceedings initiated by Inphi
2 Corporation (“Inphi”) and Smart Modular Technologies Inc. (“SMT”). Dkt. 153-8.

3 The reexamination proceedings and resulting appeal lasted more than a decade. During
4 those proceedings, the Patent Trial & Appeal Board (“PTAB”) invalidated nearly all of the
5 original claims of the ’912 patent based on a combination of prior art references called Amidi
6 and Dell-2. As a result, Netlist canceled or amended each of the 34 claims it had asserted
7 against Google in this action. Claim 16—which was not asserted against, or challenged by,
8 Google but was challenged by Inphi—was confirmed. The Patent and Trademark Office
9 (“PTO”) issued a reexamination certification on February 8, 2021, and this case reopened on
10 February 17, 2021. Dkt. 111.

11 On March 4, 2021, the parties filed a Joint Case Management Conference Statement,
12 wherein they recognized that the reexamination proceedings may gave rise to a defense of
13 intervening rights and requested early resolution of the issue. Dkt. 115 at 3. Given that the
14 memory modules used by Google likely changed during the pendency of the stay, the parties
15 proposed that Netlist take targeted discovery to identify the memory modules currently in use
16 and then serve “amended infringement contentions,” after which they would brief the issue of
17 intervening rights. *Id.* at 3-4, 5. The parties’ proposal was adopted and the deadline for Netlist
18 to serve “amended infringement contentions” was set for June 18, 2021. Dkt. 117.

19 Thereafter, Netlist sought discovery from Google to identify the memory modules
20 currently in use. On May 19, 2021, Google served discovery responses, wherein it first
21 disclosed its use of DDR4 DIMMs. Dkt. 169-11.¹ In the meantime, Netlist decided to serve
22 amended claim charts on a rolling basis. Dkt. 169-9. On May 19, 2021, Netlist served a claim
23 chart asserting infringement of claim 16. *Id.* Netlist then served its Amended Disclosure of
24 Asserted Claims and Infringement Contentions on June 18, 2021. Dkt. 152-8. The amended
25

26 ¹ The memory module technology at issue (“double data rate” or “DDR” technology) is
27 subject to standards promulgated by the Joint Electron Devices Engineering Counsel
28 (“JEDEC”). At the time this action was stayed, Google was using second and third generation
(i.e., DDR2 and DDR3) memory modules. In September 2012, JEDEC issued the DDR4
standard. Dkt. 170-6. Google began using DDR4 standard technology sometime in 2014.

1 disclosure asserts claim 16 and identifies the accused instrumentalities as certain memory
2 modules compliant with the DDR4 standard. Id. at 1-2. The amended disclosure also asserts a
3 priority date “as early as March 5, 2004” and a conception date of “no later than mid-2003.”
4 Id. at 6. Netlist cites the deposition of a named inventor, Jayesh Bhakta, which took place on
5 September 17, 2010, to support these new dates. Id.

6 **B. LEGAL STANDARD**

7 Patent Local Rule 3-1 requires that a party claiming patent infringement serve a
8 “Disclosure of Asserted Claims and Infringement Contentions” within 14 days of the initial
9 case management conference. Rule 3-1 includes subparts requiring, *inter alia*, the disclosure
10 of each claim of the patent allegedly infringed; for each claim alleged, specific infringement
11 contentions; and the priority date to which each claim is entitled. See also O2 Micro Int’l, Ltd.
12 v. Monolithic Power Sys., Inc., 467 F.3d 1355, 1359 (Fed. Cir. 2006) (the local patent rules
13 “require parties to state early in the litigation and with specificity their contentions with respect
14 to infringement and invalidity”). The purpose of these rules “is to ensure early crystallization
15 of the parties’ theories, and specifically, to place the burden on the plaintiff to quickly decide
16 on and disclose the contours of its case.” OpenTV, Inc. v. Apple, Inc., No. 15-CV-02008-EJD
17 (NC), 2016 WL 3196643, at *3 (N.D. Cal. June 9, 2016).

18 The Patent Local Rules seek to “balance the right to develop new information in
19 discovery with the need for certainty as to the legal theories.” O2 Micro, 467 F.3d at 1366.
20 Accordingly, amendment of infringement contentions “may be made only by order of the Court
21 upon a timely showing of good cause.” PLR 3-6; see also O2 Micro, 467 F.3d at 1366
22 (affirming validity of patent rule that requires early disclosure of infringement contentions and
23 good cause to amend the same); Verinata Health, Inc. v. Ariosa Diagnostics, Inc., 236 F. Supp.
24 3d 110, 1113 (N.D. Cal. 2017) (noting that, in contrast to the more liberal standard for
25 amending pleadings, the standard to amend claim charts is decidedly conservative, and
26 designed to prevent the “shifting sands” approach to claim construction). “In determining
27 whether good cause exists, courts consider (1) whether the moving party was diligent in
28 moving to amend its contentions and (2) whether the non-moving party would suffer prejudice

1 if leave to amend were granted.” Koninklijke Philips N.V. v. Acer Inc., No. 18-CV-01885-
2 HSG, 2019 WL 652868, at *1 (N.D. Cal. Feb. 15, 2019).

3 The party moving to amend bears the burden of demonstrating diligence, both in
4 discovering the basis for the amendment and in seeking leave to amend once that basis has
5 been discovered. Verinata Health, 236 F. Supp. 3d at 1113. If the moving party satisfies its
6 burden, the Court must then consider prejudice to the opposing party in determining whether to
7 grant leave to amend. Advanced Micro Devices, Inc. v. LG Elecs., Inc., No. 14-CV-01012-SI,
8 2017 WL 732896, at *2 (N.D. Cal. Feb. 24, 2017). Prejudice is typically found when
9 amendment stands to disrupt the case schedule or other court orders. Id. (citing Karl Storz
10 Endoscopy-Am. V. Stryker Corp., No. 14-0876-RS (JSC), 2016 WL 7386136, at *8 (N.D. Cal.
11 Dec. 21, 2016)). “‘Courts have allowed amendments when the movant made an honest
12 mistake, the request to amend did not appear to be motivated by gamesmanship, or where there
13 was still ample time left in discovery.’” Id. (quoting Karl Storz, 2016 WL 7386136, at *8).

14 C. DISCUSSION

15 Google moves to strike Netlist’s assertion of claim 16 and the revised priority and
16 conception dates, arguing that these amendments were not authorized by the scheduling order
17 and are not supported by good cause.

18 1. Good Cause Required

19 The threshold inquiry is whether Netlist must show good cause to assert claim 16 and
20 the revised priority/conception dates. Netlist argues that, after the case was reopened,
21 amendment of infringement contentions was authorized without express limitation, and thus,
22 good cause need not be shown. This argument is unpersuasive.

23 The local patent rules, as well as other courts, distinguish between infringement
24 contentions and asserted claims. See PLR 3-1 (providing that a patentee shall serve a
25 “Disclosure of Asserted Claims and Infringement Contentions”); MyGo LLC v. Mission Beach
26 Indus., LLC, No. 16-cv-2350-GPC-RBB, 2018 WL 3438650, at *4 (S.D. Cal. Jul. 17, 2018)
27 (holding that the local patent rules of that district, which allow for “Amended Infringement
28 Contentions” as a matter of right through the filing of a joint claim construction chart, provide

1 “only for amended infringement contentions, not for amended asserted claims”). Netlist did
2 not specifically seek leave to assert new claims or revised priority/conception dates. Nor was
3 such leave granted. Rather, with Google’s agreement, Netlist sought leave to amend only its
4 “infringement contentions,” for the stated reason that it was necessary to identify new products
5 now in use. A deadline for “amended infringement contentions” was set on that premise.

6 Netlist contends MyGo is inapposite because the court in that case found the local rule
7 permitting amendment of “infringement contentions” as a matter of right did not authorize the
8 amendment of asserted claims; the court thus found that a motion demonstrating good cause to
9 amend the asserted claims was required. Netlist argues that the scheduling order in this case
10 “authorized Netlist to *amend* its infringement contentions,” and thus, a motion to amend was
11 not required. Opp’n at 5 (emphasis in original), Dkt. 170. This misses the point. The only
12 difference between the two cases is that amendment was permitted by local rule in MyGo,
13 whereas amendment was permitted by the scheduling order here. In both cases, however, the
14 allowance of amended “infringement contentions” did not encompass amended asserted claims.
15 Thus, as in MyGo, Netlist was required to file a motion demonstrating good cause.

16 Netlist’s other arguments are likewise unsuccessful. Citing Straight Path IP Grp., Inc.
17 v. Apple Inc., No. C 16-03582 WHA, 2017 WL 3967864, at *5 (N.D. Cal. Sept. 9, 2017),
18 Netlist contends it is “this district’s practice” to prohibit a patentee from adding claims in
19 amended infringement contentions “only when the Court explicitly orders as such.” Opp’n at
20 5. The court in Straight Path granted a plaintiff’s motion for leave to amend infringement
21 contentions on the express condition that it limit those contentions to the remaining asserted
22 claims. The court did not announce (nor could a sole district judge) or apply a district-wide
23 practice. Although it may have been preferable if limitations were sought and/or imposed at
24 the time the scheduling order issued in this case, the lack of express limitations is not
25 determinative. In short, absent agreement of the opposing party and authorization of the court,
26 a patentee cannot amend its contentions without a showing of good cause. In obtaining
27 Google’s agreement and the district court’s authorization, Netlist did not make known its intent
28 to amend the asserted claims or priority/conception dates. Consequently, the scheduling order

1 did not contemplate or authorize such amendments. A contrary rule would incentivize parties
2 to obfuscate their intent when seeking and obtaining stipulations and orders on such matters.

3 Finally, Netlist argues that the position advanced by Google is untenable because it
4 would never allow for amendment of asserted claims. Netlist notes that PLR 3-6 speaks only
5 to the amendment of “Infringement Contentions.” According to Netlist, an interpretation of the
6 patent rules that distinguishes between “Infringement Contentions” and “Asserted Claims” is
7 untenable in part because it would provide “no express mechanism for a party to amend
8 infringement contentions to assert new claims.” Opp’n at 6. This, of course, is incorrect.
9 First, Google does not argue that a patentee may never amend asserted claims, only that doing
10 so requires good cause. Second, as Netlist acknowledges, the local rules must be in accord
11 with the Federal Rules of Civil Procedure. O2 Micro, 467 F.3d at 1366. Although PLR 3-6
12 fails to mention “Asserted Claims” specifically, it may nonetheless be read to permit a patentee
13 to amend the same, insofar as precluding amendment “might well conflict with the spirit, if not
14 the letter, of the notice pleading and broad discovery regime created by the Federal Rules.” Id.
15 However, this is not achieved by contorting the patent rules to eliminate the clear distinction
16 between asserted claims and infringement contentions.

17 **2. Priority and Conception Dates**

18 Netlist argues it acted diligently in asserting revised priority and conception dates
19 because it promptly sought to amend its infringement contentions after the case was reopened.
20 Opp’n at 14. Setting aside the fact that Netlist did not seek or obtain leave to assert revised
21 priority and conception dates, however, this is insufficient to demonstrate diligence.
22 Specifically, Netlist does not address whether it acted diligently in seeking to discover the basis
23 for the amendment or in seeking leave to amend once that basis had been discovered.

24 The patent local rules require that, not later than 14 days after the initial CMC, a
25 patentee shall disclose the priority date for its asserted claims, PLR 3-1(f), and produce all
26 documents evidencing an earlier conception date, PLR 3-2(b). Courts in this district interpret
27 the local patent rules to require disclosure of a specific conception date, not a date range.
28 Harvatek Corp. v. Cree, Inc., No. C 14-05353 WHA, 2015 WL 4396379, at *2 (N.D. Cal. July

1 17, 2015); Thought Inc. v. Oracle Corp., No. 12-CV-05601-WHO, 2015 WL 5834064, at *5
2 (N.D. Cal. Oct. 7, 2015) (reasoning that the purpose of the local patent rules would be
3 frustrated if a patentee could avoid specifying a conception date). These rules “are in place to
4 require patent holders to ‘crystallize their theories of the case early in the litigation,’ which
5 heads off the possibility of abuse in the form of theories contrived to get behind later-disclosed
6 prior art.” Harvatek, 2015 WL 4396379, at *3 (citation omitted). This poses a “minimal
7 burden” for a patent holder, who should have knowledge of the priority and conception dates of
8 its own patented inventions prior to commencing litigation. Id.

9 Here, in April 2010, Netlist disclosed a priority date of July 1, 2005. It did not disclose
10 an earlier conception date. Google then disclosed its invalidity contentions, the parties
11 conducted discovery, and claim construction briefs were filed. On January 26, 2011, nine
12 months after Netlist served its infringement contentions, the action was stayed. Now, a decade
13 later and after the stay has lifted, Netlist seeks to assert a priority date “as early as March 5,
14 2004” and a conception date of “no later than mid-2003.” The only evidence cited to support
15 these revised dates is the testimony of a named inventor, Jayesh Bhakta, from a deposition
16 taken on September 17, 2010. Had Netlist exercised diligence, it could have worked with
17 Mr. Bhakta to identify the priority/conception dates prior to submitting its April 2010
18 disclosures or shortly thereafter. At a minimum, however, Netlist should have moved to amend
19 its disclosures after his deposition, which occurred more than three months before the stay.
20 Consequently, Netlist has not acted diligently in asserting its revised priority/conception dates.

21 Netlist does not address the foregoing, arguing instead that the revised dates are not
22 “new” to Google. Opp’n at 14. That Google was aware of Mr. Bhakta’s deposition testimony
23 does not mean it had reason to anticipate Netlist would seek leave to amend its disclosures and
24 rely on these dates, however. Indeed, Netlist did not rely on the newly asserted conception date
25 during the reexamination proceedings, even though various claims of the ’912 patent were
26 invalidated based on prior art filed January 5, 2004. Further, as Netlist concedes, “the relevant
27 conception document discussed during deposition ... has a date of January 12, 2004.” Id. at
28 15. Although Mr. Bhakta “believed the conception date was in the previous year,” no

document evidencing conception in “mid-2003” has been discovered or produced. Id. Thus, even now, Netlist has not identified a specific conception date that predates the relevant prior art. See Harvatek, 2015 WL 4396379, at *1 (striking belated disclosures that the patentee claimed would provide evidence of invention in advance of the filing date, but which failed to identify a specific conception date prior to the previously disclosed priority date).

In view of the foregoing, Netlist has not demonstrated good cause to amend its priority/conception dates. See Harvatek, 2015 WL 4396379, at *1-2 (striking disclosures made two months after the deadline to serve infringement contentions and precluding patentee from asserting a conception date prior to the filing date of the patent application); OpenTV, 2016 WL 3196643, at *1-2 (precluding patentee from asserting conception and reduction to practice dates other than those identified in its infringement disclosures and striking earlier dates proposed for the first time four months after its disclosures were served). Leave to amend the priority/conception dates is therefore denied. See Linex Techs., Inc. v. Hewlett-Packard Co., No. C 13-159 CW, 2013 WL 5955548, at *1 (N.D. Cal. Nov. 6, 2013) (prejudice need not be reached where diligence has not been shown) (citing O2 Micro, 467 F.3d at 1368 (affirming denial of leave to amend upon finding lack of diligence, without reaching issue of prejudice)).²

3. Claim 16

a) *Diligence*

The parties agree that, based on the facts presented, the threshold inquiry is whether Netlist could have asserted claim 16 at the outset of the litigation. Netlist argues it could not. The DDR4 standard was published on September 25, 2012, while this case was stayed. According to Netlist, “only DDR4 DIMMs that comply with certain JEDEC DDR4 standards while operating in PDA [per DRAM addressability] mode (or products that operate in a similar manner) infringe claim 16.” Opp’n at 9. Because the DDR2 and DDR3 standards did not

² In asserting that amendment would not prejudice Google, Netlist argues that any concern it is attempting to avoid the previously disclosed prior art is misplaced because the PTAB confirmed claim 16 over that prior art and the parties are bound by the PTAB’s decision. Opp’n at 15. As Netlist concedes elsewhere in its brief, however, the question of whether the PTAB’s decision on claim 16 has preclusive effect on Google is unresolved. Id. at 14 n.11. In any event, as set forth above, leave to amend is denied for lack of diligence.

1 include the PDA feature, Netlist argues it could not have asserted claim 16 at the outset of the
2 litigation or any time prior to the stay. Netlist further argues, and Google does not dispute, that
3 the period of the stay is excluded from the diligence analysis. See Karl Storz, 2016 WL
4 2855260, at *6. Regarding the period after February 17, 2021, when the stay was lifted, Netlist
5 notes that it first asserted claim 16 on May 19, 2021, and thereafter served its amended
6 disclosures by the deadline set in the scheduling order, i.e., June 18, 2021. Netlist thus
7 contends it promptly disclosed claim 16 after the case reopened.

8 Notably, because Netlist did not move for leave to amend its asserted claims before
9 serving its amended disclosures, Google was placed in the position of filing a motion to strike.
10 For this reason, Google’s moving papers are somewhat misdirected, as it attempts to show that
11 Netlist was not diligent, without the benefit of Netlist’s arguments. See Radware Ltd. v. F5
12 Networks, Inc., No. 13-02021-RMW, 2014 WL 3728482, at *1 (N.D. Cal. July 28, 2014)
13 (“The burden is on the movant to establish diligence rather than on the opposing party to
14 establish lack of diligence.”). Specifically, Google devotes a considerable portion of its motion
15 to arguing that the use of DDR4 technology does not provide good cause for the belated
16 assertion of claim 16 because the ’912 patent is not directed to DDR4 technology specifically,
17 but rather, to DDR2 and later technology. As Netlist makes clear in its opposition, however, it
18 does not argue that the ’912 patent is directed only to DDR4 technology. Opp’n at 9-10.
19 Rather, Netlist contends that claim 16 *did not* read on DDR2 or DDR3 technology, but *does*
20 read on DDR4 technology, specifically DDR4 DIMMs operating in PDA mode.

21 Google makes two arguments in response to Netlist’s showing of diligence. First, it
22 argues the contention that claim 16 reads on one discrete mode (i.e., PDA) of the DDR4
23 specification is “meritless.” Reply at 4, Dkt. 181. According to Google, claim 16 requires that
24 a “command signal is transmitted to *only one* DDR memory device *at a time*,” whereas PDA
25 mode “transmits command signals to *all* of the DDR memory devices in a given rank *at the*
26 *same time*.” Id. (emphasis in original). Google thus argues that “claim 16 is [not] unique to
27 PDA made.” Id. Second, it argues that Netlist did not disclose the ’912 patent as relevant to
28

1 the DDR4 standard when JEDEC promulgated the same.³ According to Google, this
2 “undercuts any argument that Netlist somehow invented PDA in the ’912 [p]atent.” *Id.* at 5.⁴

3 The thrust of Google’s argument is that DDR4 technology operating in PDA mode does
4 not infringe claim 16. Google accurately describes the limitations of claim 16, which discloses
5 a memory module “wherein the command signal is transmitted to only one DDR memory
6 device at a time.” Dkt. 170-4 (’912 Patent) at claim 16. Google also presents evidence—slides
7 from a presentation given at the Server Memory Forum 2011, entitled, “DDR4 Module Level
8 Trends and Features”—that describes how PDA mode operates. Dkt. 181-2. The presentation
9 provides a “high level overview” of the technology. *Id.* at 3. Consistent with Google’s
10 assertion, it appears from this evidence that DDR4 DIMMs operating in PDA mode transmit a
11 command signal to all DRAM in a given rank at the same time. *Id.* at 11-12. This evidence is
12 largely unrebutted by Netlist.⁵ Nevertheless, the determination as to whether DDR4 DIMMs
13 operating in PDA mode infringe claim 16 is beyond the scope of the instant motion. *See*
14 Network Caching Tech., LLC v. Novell, Inc., No. C-01-2079 VRW, 2003 WL 21699799, at *5
15 (N.D. Cal. Mar. 21, 2003) (explaining that challenges to the merits of a patentee’s infringement
16

17 ³ JEDEC’s Patent Policy requires members to disclose any issued patents or pending
18 applications that are, or may be, relevant to pending or issued standards. The Patent Policy
19 further provides that JEDEC cannot consider a standard that calls for the use of a patented item
or process unless the patent holder offers a license.

20 ⁴ Netlist objects to evidence offered by Google in support of these arguments, arguing
21 that such evidence may not be offered for the first time in a reply brief. Obj., Dkt. 194. The
22 objection is not well taken. Google’s reply evidence directly responds to arguments raised in
23 Netlist’s opposition—i.e., that claim 16 reads only on DDR4 technology operating in PDA
mode and that no product in use prior to the stay operated in a similar manner. Because Netlist
did not move for leave to amend prior to asserting claim 16, Google did not have notice of the
basis of Netlist’s diligence argument until Netlist filed its opposition brief. In any event,
Netlist has responded to the evidence in its objection. *Id.* at 4-5. The objection is overruled.

24 ⁵ At oral argument, Netlist asserted that claim 16 “describes a very precise, almost ballet
25 of how you send signals to the different stack of DRAM.” Dkt. 257 at 33:8-10. According to
26 Netlist, “that unique feature is called PDA.” *Id.* Aside from this bare assertion, however,
27 Netlist fails to rebut Google’s argument as to what claim 16 discloses. The assertion that claim
28 16 describes a precise “ballet” also appears to conflict with the language of claim itself, which
requires simply that a command signal be sent to one memory device at a time. Netlist further
asserts, without additional explanation, that Google’s argument is “predicated on an incorrect
understanding of how PDA mode works and its narrow construction of the term ‘command
signal,’ disregarding how the term is used in the ’912 patent.” Obj. at 4.

1 theories are not meant to be resolved at this stage of the litigation; infringement contentions are
2 not meant to provide “a forum for litigation of the substantive issues”).

3 The focus of our present inquiry is whether DDR4 technology is distinct from prior
4 generations of DDR technology so as to support the belated assertion of claim 16. As to this
5 issue, Google glosses over the innovation of PDA mode. Although DDR4 DIMMs operating
6 in PDA mode may transmit a command signal to all DRAM in a given rank at the same time,
7 Google admits that only selected DRAM “will get programmed by the command signal.”
8 Reply at 4; see also Dkt. 181-2 at 11 (explaining that the selected DRAM “will have their mode
9 register programmed differently than the others”). Thus, while older generation technology
10 (e.g., DDR3) programmed all DRAM in a given rank “exactly the same way, [with] no
11 exceptions,” PDA mode “solves this problem” and “allows the host to uniquely select
12 individual DRAM to be programmed.” Dkt. 181-2 at 7, 8. This is the innovation upon which
13 Netlist relies in asserting claim 16. Accordingly, given that DDR4 technology functions
14 differently than older generation technology, Netlist has shown that it could not have asserted
15 claim 16 prior to the stay.

16 Google’s argument regarding the inadequate disclosure of the ’912 patent to JEDEC is
17 likewise ineffectual. Netlist disputes that its disclosures were inadequate, arguing that it
18 disclosed both the ’912 patent (and others within the ’912 patent family) to the relevant JEDEC
19 committees and subcommittees. See Dkt. 169-13, 169-14. Google responds that those
20 disclosures were specific to DDR2 and DDR3 technology, not DDR4 technology. Reply at 5.
21 Even assuming that Netlist’s disclosures were inadequate as it relates to the DDR4 standard,
22 however, it does not follow that the ’912 patent is irrelevant to the DDR4 standard generally or
23 PDA mode specifically. Rather, as Google appears to acknowledge in its Counterclaim, see
24 Dkt. 18, the question of whether Netlist properly disclosed the ’912 patent to JEDEC is a
25 separate matter. Although an inadequate disclosure may give rise to a counterclaim or even a
26 defense to infringement, it does not preclude the possibility of infringement.

27 Lastly, Google argues that Netlist was not diligent in the period after the stay lifted
28 because it could have asserted claim 16 sooner. According to Google, Netlist did not require

1 discovery to accuse DDR4 products of infringing claim 16 because its amended claim chart
2 relies on the public JEDEC standard. Given its reliance on that standard, Netlist likely could
3 have asserted claim 16 at the time the case reopened. Under the circumstances presented,
4 however, Netlist was reasonably diligent in asserting claim 16. Even if Netlist erred in
5 believing that leave to amend infringement contentions also authorized amendment of asserted
6 claims, it reasonably relied on the deadline set forth in the scheduling order to raise all such
7 amendments. See Richtek Tech. Corp. v. uPI Semiconductor Corp., No. C 09-05659 WHA,
8 2016 WL 3136896, at *2 (N.D. Cal. June 6, 2016) (finding that, even if the alleged infringer
9 could have sought leave to amend much sooner after the stay was lifted, it reasonably relied on
10 a deadline to file invalidity contentions set forth in a scheduling order to pursue the
11 amendments). Netlist served its amended claim chart nearly a month prior to that deadline.

12 Moreover, the good cause standard does not require “perfect diligence.” Facebook, Inc.
13 v. BlackBerry Ltd., No. 18-cv-05434-JSW (JSC), 2020 WL 864934, at *5 (N.D. Cal. Feb. 13,
14 2020), report and recommendation adopted, 2020 WL 9422395 (N.D. Cal. Mar. 30, 2020).
15 Considering the procedural posture of this case and the nature of the amendment, Netlist was
16 sufficiently diligent in asserting claim 16 approximately three months after the 10-year stay
17 lifted. See Advanced Micro Devices, 2017 WL 732896, at *4 (finding patentee acted diligently
18 in seeking to amend its infringement contentions approximately five months after a 3-year stay
19 lifted where the court had not yet set deadlines for fact or expert discovery and the amendment
20 was made sufficiently in advance of claim construction briefing).

21 ***b) Prejudice***

22 Netlist further argues that the assertion of claim 16 will not prejudice Google. As noted
23 by Netlist, “[a]n upcoming discovery deadline tends to loom large in the prejudice analysis.”
24 Karl Storz, 2016 WL 2855260, at *7. Here, discovery deadlines have not been set, see
25 Dkt. 117, and the claim construction deadlines initially set after the case reopened have been
26 vacated pending resolution of the parties’ motions regarding intervening rights, see Dkt. 192.
27 Courts typically find no prejudice where, as here, the proposed amendments do not pose a risk
28 to discovery and motion deadlines. Karl Storz, 2016 WL 2855260, at *7.

Google does not argue otherwise and identifies no prejudice in terms of its ability to litigate this action. Rather, relying on Capella Photonics, Inc. v. Cisco Systems, Inc., No. 14-cv-03348-EMC, 2019 WL 2359096, at *1 (N.D. Cal. June 4, 2019), Google’s argument hinges on the reexamination proceedings. Google asserts that it “relied on Netlist’s original identification of asserted claims in deciding which claims to challenge” in the reexamination proceedings. Mot. at 5, Dkt. 153. Specifically, Google did not challenge claim 16. Google notes that it invested time and resources to invalidate the originally asserted claims and succeeded in forcing Netlist to cancel or amend the same. As a result, Google argues, the originally asserted claims are subject to the defense of absolute intervening rights and insulated from infringement liability. According to Google, if Netlist is limited to the originally asserted claims, “there is nothing left to litigate in this case[.]” *Id.* at 6. On the other hand, if Netlist is permitted to assert claim 16, the reexamination proceedings “will be rendered meaningless,” and the action will begin anew as to that claim. *Id.*

Netlist disputes Google’s claim of prejudice, arguing that Google “*did* raise objections to the validity of claim 16 in the reexamination by and through Inphi and SMT,” who Netlist asserts were part of a “Joint Defense Group” with Google. Opp’n at 12 (emphasis in original). This argument is unpersuasive. Although Google, Inphi, and SMT may have had common interests and/or shared counsel at various points in the reexamination proceedings, Netlist cites no evidence or authority to support the argument that these separate entities acted as, or can be treated, as one. That being said, Netlist persuasively argues that the instant action is distinguishable from Capella on several grounds.

In Capella, the civil action was stayed for approximately three years pending *inter partes* review and subsequent appeals. 2019 WL 2369096, at *1. The PTAB found all of the claims originally asserted by the plaintiff to be invalid. The plaintiff appealed the PTAB’s decision to the Federal Circuit and the Supreme Court. After the appeals were exhausted, the PTO issued IPR certificates cancelling all of the claims originally asserted in the civil action. Before the PTO issued the IPR certificate, however, the plaintiff filed reissue applications. The plaintiff then moved the district court to extend the stay pending a determination on the reissue

1 application, or alternatively, for leave to amend its disclosures to assert several new claims. Id.
2 at *1-2. The newly asserted claims were not at issue in the IPR proceedings or the subject of
3 the reissue application but were dependent claims of claims invalidated by the PTAB in the
4 IPR proceedings. Id. at *2. Despite prompting from the district court, the plaintiff failed to
5 provide any explanation as to why it could not have asserted the new claims at the outset of the
6 action. Id. at *3. Reasoning that the plaintiff was “effectively seeking to litigate available
7 claims ... twice,” the court found that the plaintiff had not been diligent, but instead, was
8 engaged in gamesmanship. Id. at *3-4. Although the court noted that it need not reach the
9 issue of prejudice, it also found that the defendants were “entitled to the certainty and finality
10 which they sought and obtained from the IPR proceedings.” Id. at * 6. The court noted that,
11 had the plaintiff asserted the claims initially or sought to add them earlier, the claims may have
12 been adjudicated and possibly invalidated in the IPR proceedings. Id.

13 Here, unlike in Capella, claim 16 was challenged by Inphi in the reexamination
14 proceedings and determined to be patentable by the PTAB. Thus, while Netlist did not assert
15 claim 16 against Google prior to the issuance of the stay, it cannot be said that Netlist is
16 seeking to “avoid[] the results of the IPR proceedings.” Id. at *5; see also Boston Scientific
17 Corp. v. Cook Group Inc., No. 1:17-cv-03448-JRS-MJD, 2021 WL 3634776, at *7 (S.D. Ind.
18 Aug. 16, 2021) (finding defendants were not prejudiced by having to litigate a newly asserted
19 claim that had been challenged in and survived IPR proceedings). Additionally, unlike the
20 patentee in Capella, Netlist has shown that it could not have asserted claim 16 “at the outset” of
21 the litigation. 2019 WL 2359095, at *3. The facts of this case therefore do not support a
22 finding that Netlist is engaged in gamesmanship. Lastly, the originally asserted claims in this
23 case largely were amended, as opposed to canceled, in the reexamination proceedings.
24 Although Google asserts that absolute intervening rights will all but resolve the action as to the
25 originally asserted claims, the reexamination proceedings here did not produce the sort of
26 “certainty and finality” that the IPR proceedings did in Capella. 2019 WL 2359095, at *6.
27 Accordingly, the circumstances in this case militate in favor of granting leave to amend.
28

1 **III. MOTIONS FOR SUMMARY JUDGMENT**

2 **A. RELEVANT BACKGROUND**

3 For purposes of the instant motions, the parties agree that claim 1 of the '912 patent is
4 illustrative. The original claim 1 recited:

5 A memory module connectable to a computer system. The memory module
6 comprising:

7 a printed circuit board;

8 a plurality of double-data-rate (DDR) memory devices mounted to the printed
9 circuit board, the plurality of DDR memory devices having a first number of
10 DDR memory devices arranged in a first number of ranks;

11 a circuit mounted to the printed circuit board, the circuit comprising a logic
12 element and a register, the logic element receiving a set of input control
13 signals from the computer system, the set of input control signals comprising
14 at least one row/column address signal, bank address signals, and at least one
15 chip-select signal, the set of input control signals corresponding to a second
16 number of DDR memory devices arranged in a second number of ranks, the
17 second number of DDR memory devices smaller than the first number of
18 DDR memory devices and the second number of ranks less than the first
19 number of ranks, the circuit generating a set of output control signals in
20 response to the set of input control signals, the set of output control signals
21 corresponding to the first number of DDR memory devices arranged in the
22 first number of ranks, wherein the circuit further responds to a first
23 command signal and the set of input control signals from the computer
24 system by generating and transmitting a second command signal and the set
25 of output control signals to the plurality of memory devices, the first
26 command signal and the set of input control signals corresponding to the
27 second number of ranks and the second command signal and the set of
28 output control signals corresponding to the first number of ranks; and

a phase-lock loop device mounted to the printed circuit board, the phase-lock
loop device operatively coupled to the plurality of DDR memory devices, the
logic element, and the register.

Dkt. 155-3 ('912 Patent) at claim 1.

As stated above, the '912 patent was subject to reexamination proceedings. During
those proceedings, the PTAB invalidated claim 1 (and the other independent claims 15, 28, and
39) based on a combination of prior art references called Amidi and Dell-2. See Dkt. 156-10.
In response, Netlist added three additional limitations to distinguish the claims of the '912
patent from the prior art. See Dkt. 155-9. The added limitations are as follows:

1 wherein, in response to signals received from the computer system, the
2 phase-lock loop (PLL) device transmits a PLL clock signal to the
3 plurality of DDR memory devices, the logic element, and the register,
4 wherein, the register (i) receives, from the computer system, and (ii) buffers, in
5 response to the PLL clock signal, a plurality of row/column address signals
6 and the bank address signals, and (iii) transmits the buffered plurality of
7 row/column address signals and the buffered bank address signals to the
8 plurality of DDR memory devices, wherein the at least one row/column
9 address signal received by the logic element comprises at least one row
10 address signal received by the logic element, and wherein the plurality of
11 row/column address signals received by the register are separate from the at
least one row address signal received by the logic element, and
wherein the logic element generates gated column access strobe (CAS) signals
or chip-select signals of the output control signals in response at least in part
to (i) the at least one row address signal, (ii) the bank address signals, and
(iii) the at least one chip-select signal of the set of input control signals and
(iv) the PLL clock signal.

12 Dkt. 155-5 ('912 Reexamination Certificate) at claim 1 (*italics omitted*). The PTAB
13 found the claims patentable as amended. See Dkt. 156-11.

14 As set forth above, claim 1 requires that the phase-lock loop device be “operatively
15 coupled” to the plurality of DDR memory devices, the logic element, and the register. The
16 specification and prosecution history of the '912 patent does not define or otherwise limit the
17 term “operatively coupled,” and thus, it carries its plain and ordinary meaning. During the
18 reexamination proceedings, Netlist urged the examiner to adopt a particular definition of
19 “operatively coupled” in an attempt to distinguish the '912 patent from prior art. Dkt. 155-10
20 at 41-12. Specifically, Netlist argued that “operatively coupled” means “the operations of the
21 logic element 40 are clocked either directly or indirectly (e.g., through a clock buffer) by the
22 output of the PPL 50,” i.e., “the output of the PLL 50 controls the operation of the logic
23 element 40.” Id. at 40.

24 The original claim 16 depended on claim 15. It recited: “The memory module of claim
25 15, wherein the command signal is transmitted to only one DDR memory device at a time.”
26 Dkt. 155-3 ('912 Patent) at claim 16. On April 4, 2011, the examiner rejected claim 15 but
27 confirmed the patentability of claim 16. See Dkt. 156-5. In a subsequent office action dated
28 October 14, 2011, the examiner reiterated that claim 16 was “unamended” and confirmed. See

Dkt. 156-7. In the response that followed, Netlist rewrote original claim 16 in independent form, incorporating verbatim the limitations of original claim 15. Dkt. 156-8 at 9-10. In an office action dated November 13, 2012, the examiner recognized that claim 16 and several others had been “rewritten in independent form maintaining their original scope.” Dkt. 156-9 at 6. As stated above, Netlist eventually amended claim 15 to include new limitations, and the PTAB determined that claim 15 was patentable as amended. The new limitations added to amended claim 15 were not included in claim 16, however; only the language of original claim 15 was incorporated. See Dkt. 155-5 (’912 Reexamination Certificate) at claim 16.

On February 8, 2021, the PTO issued the reexamination certificate, which provides:

Claims 2, 5, 7, 9, 21, 23, 25, 26, 30, 33, 42, 44, and 51 are cancelled.

Claims 1, 15, 16, 28, 39 and 43 are determined to be patentable as amended.

Claims 3, 4, 6, 8, 10-14, 17-20, 22, 24, 27, 29, 31, 32, 34-38, 40, 41 and 45-50, dependent on an amended claim, are determined to be patentable.

New claims 52-91 are added and determined to be patentable.

Dkt. 155-5 (’912 Reexamination Certificate) at 2. After the reexamination certificate issued and the stay of this action lifted, Netlist served amended infringement contentions, asserting 64 claims (including claim 16) against 5 categories of accused products, i.e., 4-Rank DDR2 FBDIMMs, 4-Rank DDR3 LRDIMMs, 4-Rank DDR4 NVDIMMs, 4-Rank DDR4 RDIMMs, and 4-Rank DDR4 LRDIMMs. Dkt. 154-8. The parties thereafter acknowledged that the reexamination proceedings may give rise to a defense of absolute intervening rights and sought early resolution of the issue.

B. LEGAL STANDARDS

1. Summary Judgement

A party may move for summary judgment on some or all of the claims or defenses presented in an action. Fed. R. Civ. P. 56(a)(1). “Summary judgment is appropriate only where ‘there is no genuine dispute as to any material fact and the movant is entitled to judgment as a matter of law.’” Salazar-Limon v. City of Houston, 137 S. Ct. 1277, 1280 (2017) (quoting Fed. R. Civ. P. 56(a)). The moving party bears the initial burden of identifying those portions of the pleadings, discovery, and affidavits that establish the absence of a genuine

1 dispute of material fact. Cline v. Indus. Maint. Eng'g & Contracting Co., 200 F.3d 1223, 1229
2 (9th Cir. 2000) (citing Celotex Corp. v. Catrett, 477 U.S. 317, 323-25 (1986)). If the moving
3 party meets its burden, the burden then shifts to the non-moving party to go beyond the
4 pleadings and identify specific facts demonstrating the existence of a genuine issue of material
5 fact. Id. (citing Celotex, 477 U.S. at 323-24). On a motion for summary judgment, all
6 reasonable inferences are to be drawn in favor of the party against whom summary judgment is
7 sought. Matsushita Elec. Indus. Co. v. Zenith Radio Corp., 475 U.S. 574, 587 (1986).

8 2. Intervening Rights

9 “The doctrine of intervening rights first developed as courts recognized that permitting
10 substantive changes to the scope of patent claims through post-issuance procedures left ‘the
11 door ...open for gross injustice’ where a third party, having already begun to make, use or sell
12 a given article, finds its previously lawful activities rendered newly infringing under a modified
13 patent.” Marine Polymer Techs., Inc. v. HemCom, Inc., 672 F.3d 1350, 1361 (Fed. Cir. 2012)
14 (*en banc*) (quoting Sontag Chain Stores Co. v. Nat’l Nut Co., 310 U.S. 281, 293-95 (1940)).

15 With respect to reissued patents, the intervening rights doctrine was codified by the
16 Patent Act of 1952. 35 U.S.C. § 252. Section 252 provides for two types of intervening rights:
17 absolute and equitable. As is pertinent here, absolute intervening rights “abrogate liability for
18 infringing claims added to or modified from the original patent if the accused products were
19 made or used before the reissue[.]” Marine Polymer, 672 F.3d at 1361-62. “Intervening rights
20 do not accrue, however, where the accused product or activity infringes a claim that existed in
21 the original patent and remains ‘without substantive change’ after reissue.” Id. at 1362
22 (quoting Seattle Box Co. v. Indus. Crating & Packing, Inc., 731 F.2d 818, 827-28 (Fed. Cir.
23 1984)). Although the doctrine of intervening rights originated in the context of reissue
24 proceedings, it has since been extended to reexamination proceedings. Id.; see 35 U.S.C.
25 §§ 307(b) (governing *ex parte* reexamine), 316(b) (governing *inter partes* reexamination).⁶

26
27
28 ⁶ Citations to section 316(b) refer to the former version of the statute (effective Nov. 2, 2002 to Sept. 15, 2012) in existence prior to the America Invents Act (“AIA”), which replaced *inter partes* reexamination with *inter partes* review.

1 In deciding “whether intervening rights arose from a reexamination,” the first inquiry is
2 “whether the asserted claim is ‘amended or new[.]’” Marine Polymer, 672 F.3d at 1363.
3 “Only if the claim at issue is new or has been amended may the court proceed to the second
4 step in the analysis and assess the substantive effect of any such change pursuant to § 252.” Id.
5 The second inquiry is whether the original and reexamined claims are “substantially identical.”
6 35 U.S.C. §§ 252. “Reexamined claims are ‘identical’ to their original counterparts if they are
7 ‘without substantive change.’” Laitram Corp. v. NEC Corp., 163 F.3d 1342, 1346 (Fed. Cir.
8 1998) (quoting Seattle Box, 731 F.2d at 827-28)). “[I]n determining whether substantive
9 changes have been made, [the court] must discern whether the *scope* of the claims are identical,
10 not merely whether different words are used.” Id. (emphasis in original).

11 C. DISCUSSION

12 Google moves for summary judgment on the issue of absolute intervening rights,
13 seeking an order that the accused products it purchased and/or used prior to February 8,
14 2021 are subject to this defense. Netlist opposes Google’s motion and separately moves for
15 partial summary judgment, seeking an order that Google is not entitled to a defense of
16 intervening rights with respect to claim 16. Because the issues with respect to claim 16 are
17 distinct, it is analyzed separately below. The remaining claims fall into two categories: claims
18 determined to be patentable as amended (the “Amended Claims”) and claims added during re-
19 examination (the “Added Claims”). The Amended and Added Claims are addressed together.

20 1. The Amended and Added Claims

21 The first inquiry in the intervening rights analysis is whether a claim is “amended or
22 new.” With the exception of claim 16 (discussed below), Netlist does not dispute that the
23 asserted claims are amended or new. The pertinent inquiry, then, is whether the scope of
24 the claims have been substantively changed. Google argues that Netlist “substantively
25 narrowed the scope of the [Amended Claims]” in the reexamination proceedings “through
26 detailed amendments and arguments designed to avoid the prior art.” Def.’s Mot. at 7-8, Dkt.
27 155. Google further argues that Netlist drafted the Added Claims “to have the same narrow
28 scope as the [A]mended [C]laims.” Id. at 8. Google then identifies four specific ways in

1 which it contends Netlist substantively changed the scope of the claims, i.e., by adding the
2 limitations identified above with respect to (1) the “phase-lock loop device,” (2) the “register,”
3 and (3) the “logic element,” and by proposing a new definition of (4) “operatively coupled.”

4 ***a) Suitability for Resolution***

5 The Federal Circuit has held that “a claim amendment made during reexamination
6 following a prior art rejection is not *per se* a substantive change.” Laitram, 163 F.3d at 1347
7 (citation omitted). “Rather, to determine whether a claim change is substantive it is necessary
8 to analyze the claims of the original and the reexamined patents in light of the particular facts,
9 including the prior art, the prosecution history, other claims, and any other pertinent
10 information.” Id. (quotation marks, citation, and alteration omitted). “In determining the scope
11 of the claims, [courts] apply the traditional claim construction principles of Phillips v. AWH
12 Corp., 415 F.3d 1303 (Fed. Cir. 2005) (*en banc*), paying particular attention to the examiner’s
13 focus in allowing the claims after amendment.” Convolve, Inc. v. Compaq Computer Corp.,
14 812 F.3d 1313, 1322-23 (Fed. Cir. 2016) (quotation marks and citations omitted); see also
15 Laitram, 163 F.3d at 1348 (holding that, where amendments result in the allowance of claims
16 that had been rejected over prior art, that “is a highly influential piece of prosecution history”).

17 Although the examiner’s allowance of amended claims is significant, courts must
18 account for differences between the broadest reasonable interpretation (“BRI”) standard,
19 applied by examiners during reexamination proceedings, and the Phillips standard, applied by
20 courts in infringement proceedings. Convolve, 812 F.3d at 1325. Under the Phillips standard,
21 claim terms are given the meaning that would be ascribed to them by a person of ordinary skill
22 in the art (“POSITA”), whereas, under the BRI standard, claim terms are given the broadest
23 reasonable interpretation consistent with the specification. In re CSB-Sys. Int’l, Inc., 832 F.3d
24 1335, 1340 (Fed. Cir. 2016) (add citations). Although “[i]n many cases, the claim construction
25 will be the same under both standards,” this is not always the case. Id. at 1341. Thus, an
26 examiner’s finding that a claim did not include a certain limitation, standing alone, “cannot be
27 dispositive.” Convolve, 812 F.3d at 1325; see also Laitram, 163 F.3d at 1348 (“Although it is
28 difficult to conceive of many situations in which the scope of a rejected claim that became

allowable when amended is not substantively changed by the amendment, we arrive at our conclusion, not through any ‘per se rule,’ but in light of an overall examination of the written description, the prosecution history and the language of the respective claims.”).

Invoking the forgoing standards, Netlist makes two threshold arguments that Google’s motion for summary judgment fails as a matter of law: (1) Google improperly relies on a *per se* rule that claims amended during reexamination to avoid prior art are substantively changed; and (2) Google fails to present the requisite claim construction analysis for the original claims, Pl.’s Opp’n at 14-16, 13-14, Dkt. 197. These arguments are unpersuasive. The assertion that Google “reduces the test for absolute intervening rights to the very *per se* rule the Federal Circuit has rejected multiple times[,]” *id.* at 15, is simply untrue. Although Google emphasizes that the claims were amended to avoid prior art—a fact described by the Federal Circuit as “a highly influential piece of prosecution history”—it does not rely on this fact alone. Rather, Google discusses the language of the original and amended claims, the prosecution history of the ’912 patent, and the relevant prior art. *See* Def.’s Mot. at 7-15.

The assertion that further claim construction is required also misses the mark. In support of this argument, Netlist cites a handful of district court cases that declined to resolve the issue of claim identity before claim construction had occurred. *See, e.g., Etagz, Inc. v. Quicksilver, Inc.*, No. 10-300, 2012 WL 2135497, at *2 (C.D. Cal. June 11, 2012). The cases reason that courts must analyze the scope of claims when ruling on identity, and thus, the determination is more appropriately resolved during claim construction proceedings. *Id.* As acknowledged by Netlist, *see* Pl.’s Opp’n at 14 n.4, however, a claim construction hearing was conducted twelve years ago in the related case, *Google v. Netlist*, No. 08-cv-4011, Dkt. 79 (N.D. Cal. Nov. 16, 2009), with respect to U.S. Patent No. 7,289,386 (“the ’386 patent”), of which the ’912 patent is a continuation. Prior to the stay in this action, the parties submitted agreed-upon constructions for various claim terms of the ’912 patent, including the terms previously construed in the related case. Dkt. 45. As is pertinent here, the parties agreed to constructions for the claim terms “logic element,” “register,” and “phase-lock loop device.” *Id.*, Ex. A. Netlist does not repudiate those constructions, and in fact, argued at the hearing on

1 the instant motions that those constructions support its argument regarding claim scope. See
2 Dkt. 257 at 19-20. Given that the parties' agreed-upon constructions are already in the record,
3 it is unnecessary for Google to present anything further in that respect.⁷

4 ***b) The Added Limitations***

5 Turning to the merits of the second inquiry of the intervening rights analysis, the scope
6 of the claims narrowed during the reexamination proceedings. “[A] plain reading of the claims
7 ... indicate[s] that the original and reexamined claims are of a different scope[.]” Laitram, 163
8 F.3d at 1348. Netlist added nearly 200 words to the claims in three separate limitations.
9 Although the focus of the inquiry is the substance of the claims, not the mere number of words
10 added, the breadth of the amendments bears noting. Indeed, this is not a case in which a
11 patentee added a one- or two-word “modifier” to existing claim terms. Cf. Convolve, 812 F.3d
12 at 1323 (holding that addition of the word “seek” in front of “acoustic noise” did not alter the
13 scope of the claims where the specification and prosecution history demonstrated that the
14 original claims were limited to seek acoustic noise). Rather, extensive amendments were
15 made. Nor is this a case in which descriptive language was added “simply to further clarify the
16 completely sufficient language used in the original claims.” Kaufman Co. v. Lantech, Inc., 807
17 F.2d 970, 977 (Fed. Civ. 1986) (holding that addition of approximately 25 words did not alter
18 the scope of the claims where the language “was already present in the specification and in the
19 original claims themselves ... almost to the point ... that some of the amendments made were
20 unnecessary and redundant”). Though some of the added language was present in the
21 specification, much was new, and none appeared in the original claims themselves. The
22 primary authorities relied upon by Netlist—Convolve and Kaufman—are thus readily
23 distinguishable. With that in mind, we turn to the substance of the amendments, with particular
24 focus on the added limitations that were crucial to the allowance of the claims.

25 _____
26 ⁷ Netlist briefly raises a discovery issue, arguing that Google was ordered fully to
27 answer an interrogatory regarding the basis for its intervening rights defense but failed to
28 provide any detailed claim construction argument in its response. Pl.’s Opp’n at 14. It is not
apparent that a detailed claim construction argument was required in response to the
interrogatory at issue. Even if it were, however, Netlist has not brought any motion to enforce
the discovery order or to impose sanctions.

1 The parties agree that “phase-lock loop device” means “a device for generating a clock
2 signal that is related to the phase of an input reference signal.” Dkt. 45, Ex. A. The original
3 claim 1 required a phase-lock loop device that was a) mounted to the printed circuit board and
4 b) operatively coupled to the plurality of DDR memory devices, the logic element, and the
5 register. Original claim 1 was rejected as obvious over Amidi. In pertinent part, the examiner
6 determined that Amidi discloses a phase-lock loop device operatively coupled to a plurality of
7 memory devices, a logic element, and a register. See Dkt. 197-4 at 19-20. Netlist amended
8 claim 1 to require that the phase-lock loop device transmit a PLL clock signal to each of the
9 coupled components. See Dkt. 155-9 at 48. When submitting the proposed amendments,
10 Netlist argued that, although Amidi transmits a PLL clock signal to the memory devices and
11 the register, it does not transmit a PLL clock signal to the logic element. Id. at 51. Because
12 Amidi did not disclose transmission of a PLL clock signal to the logic element, it also failed to
13 disclose a logic element generating output signals in response to a PLL clock signal (as
14 amended claim 1 now does). Id. at 52.

15 The parties further agree that “logic element” means “a hardware circuit that performs a
16 predefined function on input signals from the computer system and presents the resulting
17 signals as its output.” Dkt. 45, Ex. A. As stated above, original claim 1 required that the logic
18 element receive a set of input control signals from the computer system, the set of input control
19 signals comprising at least one row/column address signal, bank address signals, and at least
20 one chip-select signal. It also required that the circuit generate a set of output control signals in
21 response to the set of input control signals. Original claim 1 was rejected as obvious over
22 Amidi in view of Dell-2. Netlist amended claim 1 to require that a) the “at least one
23 row/column address signal” received by the logic element be comprised of “at least one row
24 address signal” and b) this row address signal be separate from the plurality of row/column
25 address signals received by the register. See Dkt. 155-9 at 49. Amended claim 1 also now
26 requires that the logic element generate gated column access strobe (CAS) or chip-select
27 signals in response at least in part to i) the at least one row address signal; ii) the bank address
28 signals; 3) the at least one chip-select signal of the set of input control signals; and iv) the PLL

1 clock signal. Id. When submitting the proposed amendments, Netlist argued that Amidi does
2 not use bank address signals (or the combination of bank address signals and at least one row
3 address signal) to general control signals. Id. at 52-53.

4 Based on the foregoing, the “phase-lock loop device” and “logic element” limitations
5 narrowed the scope of the claims.⁸ Whereas the memory module of original claim 1 did not
6 require either a PLL clock signal transmitted to the logic element or the use of a combination of
7 bank address signals and at least one row address signal to generate control signals, the
8 memory module of amended claim 1 requires both. See Laitram, 163 F.3d at 1348 (holding the
9 scope of original and reexamined claims differed where the original claims covered a printer or
10 method of printing that “generated *any* quality of alphanumeric characters,” while the amended
11 claims covered only a printer or method of printing that generated “‘*type quality*’ alphanumeric
12 characters”) (emphasis in original). As demonstrated, these added limitations were crucial to
13 the allowance of the claim because they overcome rejections based on Amidi and Dell-2. See
14 id. (holding scope of the claims was substantively changed where, “the addition of the ‘type
15 quality’ limitation, along with the other amendments, resulted in the allowance of the claims
16 that had been rejected in the reexamination proceeding over prior art”). As recognized by the
17 Federal Circuit, this is a “highly influential piece of prosecution history.” Id.⁹

18
19 ⁸ Google also relies on the added “register” limitation. It appears the requirement that
20 the logic element receive a row address signal separate from the plurality of row/column
21 address signals received by the register may have been crucial to the allowance of the amended
22 claim. However, without deciding the issue, it is not apparent that the register limitation,
23 standing alone, was crucial. Because a finding that any one of the added limitations
substantively changed the scope of the claim is dispositive, the register limitation is not
separately addressed. See Laitram, 163 F.3d at 1345 (concluding that one of three added
limitations changed the scope of the claims and declining to reach the other two).

24 ⁹ In concluding that amendments were clarifying, as opposed to narrowing, the Federal
25 Circuit in Convolve declined to give “significant weight” to the patentee’s and examiner’s use
26 of the term “clarify” or “clarifying” to describe the amendments. 812 F.3d at 1325. Although
27 such statements are not given significant weight here, it is noted that, during the reexamination
28 proceedings and subsequent appeal, Netlist repeatedly described the amendments as
performing a narrowing function. For example, in its appeal brief, Netlist stated that it had
“narrowed its claims” to require a memory module with a logic element that acts in response at
least in part to four enumerated signals” and “unequivocally disclaimed any broader meaning.”
Dkt. 208-3 at 1-2. Netlist also argued before the PTAB that it had “narrowed” the claims to
overcome the rejection based on prior art. Dkt. 155-9 at 47, 51.

1 In arguing to the contrary, Netlist relies on the declaration of its litigation expert, Murali
2 Annavaram (“Dr. Annavaram”), to suggest that a POSITA would understand that the added
3 limitations were inherent in the original claims. In other words, Netlist contends the
4 amendments were merely clarifying. As discussed below, the evidence does not support this
5 contention. Regarding the phase-lock loop limitation, Dr. Annavaram opines that a phase-lock
6 loop device (“PLL”), by definition, performs the specific function of generating a clock signal.
7 Dkt. 197-9 ¶ 23. According to Dr. Annavaram, “[t]he registers and logic elements in a design
8 such as the claimed circuit in the ’912 patent need clocks to operate.” *Id.* He further opines
9 that “[t]he only function performed by the disclosed PLL device in the ’912 patent is providing
10 a clock signal; the written description makes no mention of any other source of clock signals
11 other than the PLL.” *Id.* Regarding the logic element limitation, Dr. Annavaram opines that,
12 based on his opinion regarding the PLL, and as illustrated in Figure 1A of the ’912 patent, a
13 POISTA would understand that the logic element required clock signals from the PLL to
14 function. *Id.* ¶ 31. Relying again on Figure 1A, Dr. Annavaram further opines that original
15 claim 1 disclosed a logic element that received at least one row address bit, the chip-select
16 signals, and bank address signals. *Id.* ¶ 34.

17 As a threshold matter, Dr. Annavaram’s declaration is afforded little weight. At his
18 deposition, Dr. Annavaram appeared unwilling or unable to answer basic questions, largely
19 limiting his testimony to whether or not his declaration offered an opinion on such matters.
20 See, e.g., Dkt. 208-4 at 95:9-97:3, 63:17-68:14. As noted by Google, Dr. Annavaram also
21 testified that his declaration had not provided a claim construction analysis and that he had not
22 applied claim construction standards. *Id.* at 49:7-21. Moreover, during his deposition,
23 Dr. Annavaram contradicted and/or undermined the opinions offered in his declaration. As is
24 pertinent here, Dr. Annavaram admitted that he erred in asserting the original claims required a
25 logic element that receives a “row address signal.” Rather, Figure 1A shows the logic element
26 receiving a “row/column address signal,” which the patent clearly shows to be broader. *Id.* at
27 60:9-61:8, 70:6-72:15, 90:1-6. Dr. Annavaram also did not dispute that, although certain
28 embodiments of the ’912 patent describe a phase-lock loop device transmitting a clock signal

1 to the logic element, the patent's specification does not exclude other embodiments that use an
2 external clock signal (as Amidi does). Id. at 86:8-87:8. This undermines the previous
3 suggestion that the PLL of original claim 1 had to provide a clock signal to the logic element.

4 More fundamentally, however, Dr. Annavaram's opinions simply do not address all
5 aspects of the added limitations and are unsupported by the specification of the '912 patent.
6 Setting aside the error in Dr. Annavaram's opinion that the logic element of original claim 1
7 receives specific signals, the added logic element limitation requires, not only that the logic
8 element *receive* those signals, but that it *generate* CAS or chip-select signals *in response to*
9 these signals (as well as the PLL clock signal). Dr. Annavaram's declaration is silent on this
10 matter. The relevant portions of Dr. Annavaram's opinions are also based on Figure 1A of the
11 '912 patent. As Dr. Annavaram acknowledged at his deposition, however, Figure 1A is merely
12 a preferred embodiment of the invention. See id. at 73:3-12; 861-16. It is well-settled that
13 embodiments appearing in a specification will not be read into the claims where the claim
14 language is boarder than the embodiments. Laitram, 163 F.3d at 1348 (rejecting the patentee's
15 "invitation ... to read a limitation into the original claims that is simply not there"); see also GE
16 Lighting Sols., LLC v. AgiLight, Inc., 750 F.3d 1304, 1309 (Fed. Cir. 2014) (holding the
17 district court erred by reading limitations from a preferred embodiment into the claims). In
18 view of the foregoing, it is clear that the added phase-lock loop and logic element limitations
19 narrowed the scope of the '912 patent.

20 ***c) Prosecution Disclaimer***

21 In addition to relying on the added limitations discussed above, Google argues that
22 Netlist narrowed the Amended and Added Claims through prosecution disclaimer by proposing
23 a narrower definition of "operatively coupled" during the reexamination. The issue of whether
24 prosecution disclaimer may give rise to intervening rights is addressed as to claim 16 in Section
25 II.C.2.b.ii., *infra*. Here, given that the added limitations described above substantively changed
26 the scope of the Amended and Added Claims, the issue of prosecution disclaimer need not be
27 reached. See Laitram, 163 F.3d at 1345 (concluding that one of three added limitations
28

1 changed the scope of the claims and declining to reach the other two). In view of the
2 foregoing, the Amended and Added Claims are subject to absolute intervening rights.

3 **2. Claim 16**

4 As set forth above, during the reexamination proceedings, claim 16 was rewritten in
5 independent form; no other changes were made. In light of the foregoing, Netlist argues
6 that claim 16 is not “amended or new,” and even if it were, the claim scope is identical.
7 Google argues that claim 16 is technically amended and that its claim scope was narrowed
8 through: (1) prosecution disclaimer; and (2) surrender of equivalents.

9 **a) Amended or New**

10 As stated above, the first question in the intervening rights analysis is whether the
11 claim is “amended or new.” Google acknowledges that claim 16 was merely rewritten in
12 independent form, but nonetheless relies on the fact that the claim was “literally amended.”
13 Def.’s Opp’n at 8, Dkt. 195. As support, Google emphasizes that the reexamination
14 certificate identifies claim 16 as “amended.” *Id.* at 7. Netlist responds that Google’s
15 argument elevates form over substance, in disregard of both the reexamination history of
16 claim 16 and Federal Circuit authority regarding the application of § 316. Netlist’s
17 argument is the more persuasive.

18 The Federal Circuit has explained that § 316 “identifies three categories of claims in
19 a reexamined patent: (1) claims that existed in the original patent but have been cancelled
20 as unpatentable, (2) claims that existed in the original patent and have been confirmed as
21 patentable, and (3) amended or new claims that did not exist in the original patent but have
22 been found to be patentable and will be incorporated into the patent by the PTO.” *Marine*
23 *Polymer*, 672 F.3d at 1363-64. “In providing for intervening rights, [§ 316(b)] is limited to
24 the third category of claims....” *Id.* at 1364.¹⁰ Here, claim 16 was confirmed on
25
26

27 ¹⁰ *Marine Polymer* concerned *ex parte* reexamination proceedings under § 307(b). As
28 noted by the Federal Circuit, however, the language of pre-AIA §§ 307(b) and 316(b) are
“essentially identical.” *Marine Polymer*, 672 F.3d at 1362 & n.8.

1 reexamination to be patentable *as originally issued*. It thus falls within the second category
2 of claims described in Marine Polymer, to which intervening rights do not apply.

3 Claim 16 was thereafter rewritten in independent form in accordance with MPEP
4 § 2660.03 (providing that, when an amended base claim is rejected, a claim dependent
5 thereon must be rewritten in independent form). As noted by Netlist, however, “[a] claim
6 in dependent form shall be construed to incorporate by reference all the limitations of the
7 claim to which it refers.” 35 U.S.C. § 112(d); see also Bloom Eng’g Co. v. N. Am. Mfg.
8 Co., 129 F.3d 1247, 1250 (Fed. Cir. 1997). Claim 16 therefore remains unchanged and has
9 not been “amended,” as that term is used in the context of patent prosecution. Marine
10 Polymer, 672 F.3d at 1364 (“‘[A]mended’ is a term of art in patent prosecution, including
11 reexamination proceedings, and in that context connotes formal changes to the actual
12 language of a claim.”). A claim cannot be “amended” for purposes of § 316(b) “without
13 changing the claim language itself.” Id.; see also id. at 1363 (explaining that the patent
14 claims asserted against the alleged infringer were not new or amended where they
15 contained “identical language before *and* after reexamination”) (emphasis in original).¹¹

16 To be sure, claim 16 is technically labeled “amended” in the reexamination
17 certificate. Yet, as discussed above, this conflicts with the history of the reexamination
18 proceedings. Indeed, the reexamination certificate identifies claim 16, not only as
19 “amended,” but “determined to be patentable as amended.” This is incorrect, as claim 16
20 was determined to be patentable *as originally issued*. “[T]he plain directive” of § 316(b)
21
22

23 ¹¹ In a footnote, Google argues that claim 16 falls within a definition of “amended” set
24 forth in Marine Polymer. Def.’s Opp’n at 8 n.5 (citing Marine Polymer, 672 F.3d at 1363 (“In
25 general parlance, ‘amend’ means ‘to alter ... formally by adding, deleting, or rephrasing.’”)
26 (quoting Am. Heritage College Dict., 42-43 (3d ed. 1997)). According to Google, claim 16
27 was amended because the limitations of claim 15 were “added.” Id. As an initial matter, after
28 setting forth the generic definition of “amend” cited by Google, the Federal Circuit held that
“amended” is a term of art and provided a specific definition of the term in the context of
patent prosecution. Id. at 1364. Moreover, even applying the definition cited by Google, claim
16 is not amended because, as described above, the limitations of claim 15 were incorporated
into the claim by reference. If Google’s argument were adopted, patentees would likely stop
writing claims in dependent form, with the only tangible result being lengthier patents.

1 does not permit the invocation of intervening rights “against claims that the PTO confirmed
2 on reexamination to be patentable as originally issued.” Marine Polymer, 672 F.3d at 1365.

3 Finally, Google asserts that nothing in § 316(b) “excludes amendments that are
4 made to rewrite a claim from dependent to independent form.” Def.’s Opp’n at 8. Google
5 argues it is impermissible to read such a restriction into the statute. Application of this
6 maxim of statutory construction is inapplicable here. For one thing, Marine Polymer
7 interprets the term “amended” in the context of § 316(b); it does not add restrictions to the
8 statute. For another, Google’s argument divorces the term “amended” from the broader
9 context—and purpose—of the statute. See Marine Polymer, 672 F.3d at 1361 (the purpose
10 of the intervening rights doctrine is to prevent injustice where previously lawful activities
11 are rendered “newly infringing” under a modified patent); see also P.J. Frederico,
12 Commentary on the New Patent Act, 75 J. Pat. & Trademark Off. Soc’y 161, 206-207
13 (1993) (reprinted from 35 U.S.C.A. 1954 ed.) (“The statute gives a simple test for
14 determining when intervening rights cannot be present and this is whether claims of the
15 original patent which are repeated in the reissue are infringed. If the reissued patent has
16 valid claims in it which were also in the original patent, and these claims are infringed, then
17 the question of intervening rights cannot arise.”).

18 ***b) Scope***

19 Even if claim 16 were technically amended so as to satisfy the first step of the
20 intervening rights inquiry, the defense fails at the second step. Rewriting a dependent claim
21 in independent form does not constitute a substantive change in claim scope. Bloom, 129
22 F.3d at 1250 (holding that restating a dependent claim in independent form does not change
23 the scope of the claim); see also Sonos, Inc. v. D&M Holdings Inc., No. CV 14-1330-
24 WCB, 2017 WL 4969330, at *5 (D. Del. Nov. 1, 2017) (finding that writing dependent
25 claims in independent form “was a cosmetic change, not a substantive one” and “does not
26 give rise to intervening rights”); Dexcowin Glob., Inc. v. Aribex, Inc., No. CV 16-143-
27 GW(AGRX), 2017 WL 3477748, at *14 (C.D. Cal. June 7, 2017) (finding there could be
28 “no dispute” that certain claims “would not trigger intervening rights, because they were

merely amended from dependent to independent form”); SignalQuest, Inc. v. Chou, No. 11-CV-392-JL, 2016 WL 738209, at *4 (D.N.H. Feb. 23, 2016) (finding no intervening rights where claims rewritten in independent form were “identical in scope to original dependent claims”). The rationale for this is clear—rewriting a dependent claim in independent form merely makes “explicit” what was previously incorporated by reference. Safoco, Inc. v. Cameron Int’l Corp., No. 4:05-CV-00739, 2009 WL 10742813, at *9 (S.D. Tex. Apr. 9, 2009), report and rec. adopted, 2009 WL 10695587 (S.D. Tex. May 8, 2009) (citing 35 U.S.C. § 112; Bloom, 129 F.3d at 1250). Google does not argue otherwise, but nonetheless claims that claim 16 was narrowed through: (1) prosecution disclaimer; and (2) surrender of equivalents. These arguments are unsupported and, ultimately, unsuccessful.

i. Prosecution Disclaimer

Arguments made before the PTO may give rise to prosecution disclaimer. Tech. Properties Ltd. LLC v. Huawei Techs. Co., 849 F.3d 1349, 1357 (Fed. Cir. 2017). Google contends that Netlist narrowed the scope of claim 16 through prosecution disclaimer by arguing in favor of a narrower definition of the term “operatively coupled” during the reexamination proceedings. Relying on Marine Polymer, Netlist responds that prosecution disclaimer cannot give rise to intervening rights as a matter of law.

As discussed above, the Federal Circuit in Marine Polymer considered whether argument alone can give rise to intervening rights. It held that a claim is not “amended,” and thus, not subject to intervening rights, without “formal changes to the actual language of a claim.” 672 F.3d at 1364. Google emphasizes that the Federal Circuit made this determination in the context of the first step of the intervening rights inquiry. See Def.’s Opp’n at 13. Google fails, however, to explain effectively why the teachings of Marine Polymer cannot (and should not) inform our analysis at the second step of the inquiry.

In Marine Polymer, the accused infringer argued that reexamination proceedings gave rise to intervening rights because the patentee had narrowed the scope of its claims by persuading the examiner to adopt a particular construction of “biocompatible.” 672 F.3d at 1360-61. In rejecting that argument, the Federal Circuit stated:

1 HemCon sidesteps [the issue of whether a claim is amended or new] by
2 emphasizing the well-recognized principle that arguments made during
3 prosecution can affect the ultimate meaning of a claim term—and thus the
4 “scope” of a claim—and then returning to its contention that intervening
5 rights turn on whether claim scope changes during reexamination. HemCon
6 thus posits that Marine Polymer’s actions in reexamination rendered the
7 asserted claims effectively ‘amended’ by disavowal or estoppel, even though
8 the language of the claims was not formally changed. We disagree.

9 Id. at 1363. Thus, despite recognizing that arguments made during reexamination
10 proceedings “can affect the proper interpretation and effective scope of” a claim, the
11 Federal Circuit held that such argument, standing alone, cannot give rise to intervening
12 rights. Id. at 1365. A finding that argument can give rise to intervening rights where claim
13 language is technically changed, even if that change does not itself alter the scope of a
14 claim (e.g., where a dependent claim is rewritten in independent form) would be
15 incongruous with that holding. Such a finding would give rise to different results based on
16 nothing more than a mere technicality.¹²

17 Google offers no authority to the contrary. Google cites Huawei, 849 F.3d at 1357,
18 which holds that argument made before the PTO may give rise to prosecution disclaimer.
19 This tenet of patent law is undisputed and was recognized in Marine Polymer. 672 F.3d at
20 1363 (“claims are properly interpreted to account for arguments and concessions made
21 during prosecution”). Huawei did not involve intervening rights, however, and says
22 nothing about whether prosecution disclaimer constitutes a substantive change in claim
23 scope giving rise to intervening rights.

24 ¹² In Marine Polymer, the Federal Circuit dismissed the accused infringer’s concern of
25 gamesmanship, i.e., that “shrewd patentees” would simply rely on arguments rather than
26 amendments during reexamination, thereby avoiding intervening rights. 672 F.3d at 1364. The
27 Federal Circuit reasoned that, if an examiner determines that a claim must be amended to be
28 allowable, the examiner would be expected to require amendment rather than accept argument
alone. Id. Indeed, the Federal Circuit stated that Congress may have expected changes in
claim scope during reexamination to be made by amendment, which “would avoid the risk of
creating a loophole in the intervening rights defense.” Id. Moreover, the Federal Circuit
posited that, if argument alone is sufficient to overcome a rejection, it is probably because the
claims at issue are allowable. Id. This reasoning supports a finding that, where technical
amendments do not alter the scope of a claim, argument alone cannot.

1 The sole case cited by Google for that proposition is Dey, Inc. v. Sepracor Inc., 847
2 F. Supp. 2d 541, 559 (S.D.N.Y. 2012), rev'd and remanded sub nom. Dey, L.P. v.
3 Sunovion Pharms, Inc., 715 F.3d 1351 (Fed. Cir. 2013), which, in turn, cites Univ. of Va.
4 Pat. Found. v. Gen. Elec. Co. (“Pat. Found.”), 755 F. Supp. 2d 738, 747-48 (W.D. Va.
5 2011). Although not essential to its findings, Dey stated that “[a] prosecution disclaimer
6 can operate as a ‘substantive change’ that limits damages under § 252 and § 307.” Id. This
7 dictum—for which Dey offers no independent analysis or support—is neither binding nor
8 persuasive. Pat. Found. was decided prior to, and considered the same ultimate question as,
9 Marine Polymer. 755 F. Supp. 2d at 747-48 (considering, as a matter of first impression,
10 “[w]hether the term ‘amended’ limits the application of § 307(b) to only explicit wording
11 changes, as opposed to changes through other means—such as prosecution disclaimer”).
12 Given that the Federal Circuit *en banc* in Marine Polymer reached the opposite conclusion
13 as the district court in Pat. Found., the latter case is no longer good law.

14 In sum, Google points to no case in which prosecution disclaimer alone gave rise to
15 intervening rights, and such notion is contrary to the teachings of Marine Polymer, even
16 where the first step of the intervening rights analysis has been satisfied. As the Federal
17 Circuit stated in Bloom, intervening rights do not apply where “a claim granted or
18 confirmed upon reexamination is identical to an original claim.” 129 F.3d at 1250. For the
19 reasons set forth above, claim 16 is identical to an original claim. Accordingly, prosecution
20 history alone will not support a defense of intervening rights. In view of this finding, the
21 parties’ remaining arguments—as to whether prosecution disclaimer should be found on the
22 facts here—need not be reached.

23 ii. Surrender of Equivalents

24 The doctrine of equivalents allows a patent holder to assert infringement against a
25 product or process that is not within the literal scope of the claims “if there is ‘equivalence’
26 between the element of the accused product or process and the claimed elements of the
27 patented invention.” Warner-Jenkinson Co., Inc. v. Hilton Davis Chem. Co., 520 U.S. 17,
28 21 (1997). Prosecution history estoppel may bar a patentee from asserting equivalents,

1 however, “when an amendment is made to secure the patent and the amendment narrows
2 the patent’s scope.” Festo Corp. v. Shoketsu Kinzoku Kogyo Kabushiki Co., Ltd., 535 U.S.
3 722, 736 (2002). Such amendments give rise to a presumptive surrender of equivalents. Id.

4 In Honeywell Int’l Inc. v. Hamilton Sundstrand Corp., 370 F.3d 1131, 1141 (Fed.
5 Cir. 2004), the Federal Circuit held that rewriting a dependent claim in independent form,
6 coupled with cancellation of the original independent claim to which it referred, gives rise
7 to a presumptive surrender of equivalents. Relying on Honeywell, Google suggests that the
8 surrender of equivalents, in turn, narrows the scope of claim 16, thereby giving rise to
9 intervening rights. Google’s argument is unsupported. Tellingly, although Honeywell was
10 decided in 2004, Google cites no case predicated a finding of intervening rights on the
11 surrender of equivalents. This is unsurprising, given that Honeywell did not involve
12 intervening rights, 370 F.3d at 1136 (“Only infringement under the doctrine of equivalents
13 is at issue in this appeal”), and cannot be read to endorse an extension of the defense based
14 on the surrender of equivalents. See Safoco, 2009 WL 10742813, at *10 (finding attempt
15 to introduce surrender of equivalents into an intervening rights analysis unsupported by
16 Honeywell and “legally unsound”).

17 Although the surrender of equivalents and intervening rights both involve a
18 discussion of scope, the focus of these distinct inquiries differ. Google wholly ignores this
19 distinction. For an intervening rights analysis, the focus is the scope of the new or amended
20 claim. If the scope of the claim is substantively changed, e.g., narrowed, it gives rise to
21 intervening rights. For a surrender of equivalents analysis, however, the “proper focus is
22 whether the amendment narrows the overall scope of the claimed subject matter.”

23 Honeywell, 370 F.3d at 1141 (citing Festo, 535 U.S. at 736-37); id. at 1144. Indeed, the
24 Federal Circuit in Honeywell expressly acknowledged that canceling an independent claim
25 and rewriting a dependent claim in independent form gives rise to a presumptive surrender
26 of equivalents, *even though “the scope of the rewritten claim has remained unchanged.”*
27 Id. at 1142 (emphasis added) (explaining that “the scope of subject matter claimed in the
28

independent claim” may nonetheless have been narrowed to secure the patent). This alone demonstrates that Honeywell cannot be extended in the manner urged by Google.

In short, the surrender of equivalents has no bearing on the scope of claim 16 for purposes of an intervening rights analysis. See, e.g., Safoco, 2009 WL 10742813, at *11 (finding that Honeywell “does not stand for the proposition that the surrender of equivalents through the operation of prosecution history estoppel changes the actual scope of claims rewritten in independent form, let alone that it changes them substantively for purposes of § 252”). “The limit on the range of equivalents that may be accorded a claim due to prosecution history estoppel is simply irrelevant to the interpretation of those claims.” Southwall Techs., Inc. v. Cardinal IG Co., 54 F.3d 1570, 1578 (Fed. Cir. 1995) (“Claim interpretation in view of the prosecution history is a preliminary step in determining literal infringement, while prosecution history estoppel applies as a limitation on the range of equivalents if, after the claims have been properly interpreted, no literal infringement has been found.”); see also Thermalloy, Inc. v. Aavid Eng’g, Inc., 121 F.3d 691, 694 (Fed. Cir. 1997) (holding that the doctrine of equivalents “has no place” in an analysis of whether amendments enlarged the scope of a claim for purposes of 35 U.S.C. § 305). The parties’ remaining arguments—as to whether prosecution history estoppel should be found on the facts here—thus need not be reached. In view of the foregoing, claim 16 is not subject to the defense of intervening rights.

3. Accused Products

Absolute intervening rights apply to products that were made, purchased, used, or sold prior to the issuance of the reexamination certificate. Marine Polymer, 672 F.3d at 1362. Google demonstrates that accused products were purchased and/or used prior to the issuance of the ’912 patent’s reexamination certificate on February 8, 2021. Specifically, as to each of the five categories of accused products, Google sets forth data from purchase orders, financial records, and an internal database of its server fleet.

Based on the evidence presented, Google shows that (1) it stopped using 4-Rank DDR2 FBDIMMs by September 16, 2017, and thus, that entire category of accused products is subject

1 to absolute intervening rights; (2) it has not purchased 4-Rank DDR3 LRDIMMs or 4-Rank
2 DDR4 NVDIMMs, and thus, these categories of accused products are moot; and (3) it
3 purchased and used 4-Rank DDR4 RDIMMs, 4-Ranks DDR4 LRDIMMs, and server machines
4 incorporating such technology prior to February 8, 2021, such that those products are subject to
5 absolute intervening rights.

6 Netlist challenges the adequacy of Google's showing on three grounds. First, Netlist
7 argues that February 8, 2021, the date the reexamination certificate issued, is not the critical
8 date for this analysis. According to Netlist, the proper date is June 15, 2020, when the Federal
9 Circuit affirmed the PTAB's decision. Netlist's argument is based on § 316(a), which provides
10 that the PTO shall issue and publish a certificate of reexamination "when the time for appeal
11 has expired or any appeal proceeding has terminated." As noted by Google, however, § 316(b)
12 explicitly provides that intervening rights apply to products purchased or used "prior to the
13 issuance of a [reexamination] certificate." See also Laitram, 163 F.3d at 1346 ("If substantive
14 changes have been made to the original claims, the patentee is entitled to infringement damages
15 only for the period following the issuance of the reexamination certificate."); P.J. Frederico,
16 Commentary on the New Patent Act, 75 J. Pat. & Trademark Off. Soc'y at 206 ("the critical
17 date is the date of the grant of the reissue").

18 Second, Netlist argues that Google has not disclosed in discovery all accused products.
19 In particular, Netlist claims Google has withheld information on 8-Rank and 16-Rank DIMMs.
20 Insofar as Google has withheld such information, Netlist should seek resolution of this issue
21 before the magistrate judge assigned for discovery. At present, however, Netlist has only
22 accused the five categories of 4-Rank DIMMs addressed in Google's motion. Google need not
23 address products not presently at issue.

24 Third, Netlist argues that the evidence as to DDR4 RDIMMs and LRDIMMs is
25 insufficient to show that the products were used or purchased in the United States or imported
26 into the United States prior to February 8, 2021. Insofar as Netlist is arguing that products may
27 have been purchased prior to February 8, 2021, but added to Google's inventory in the United
28 States sometimes after that date, this is immaterial. Google provides evidence as to the date the

equipment was purchased, and such evidence is sufficient to establish a defense of intervening rights. BIC Leisure Prod., Inc. v. Windsurfing Int'l, Inc., 1 F.3d 1214, 1222 (Fed. Cir. 1993) (upholding district court's reliance on purchase orders). That Google also provides additional evidence simply bolsters its showing.

IV. MOTION TO AMEND

A. RELEVANT BACKGROUND

On February 12, 2010, Google filed an Answer and Counterclaim, alleging causes of action for: (1) Declaratory Judgment of Non-Infringement; (2) Declaratory Judgment of Invalidity; (3) Fraud/Deceit/Concealment; (4) Negligent Misrepresentation; and (5) Breach of Contract. Dkt. 18. As to its third, fourth, and fifth claims for relief, Google alleges that Netlist failed properly to disclose the '912 patent to JEDEC, thereby inducing others to rely on DDR standards as being free of intellectual property encumbrances.

As stated above, this was stayed on January 26, 2011 and reopened on February 17, 2021. On March 11, 2021, a scheduling order was issued setting deadlines for amended infringement and invalidity contentions, early briefing on the issue of intervening rights, and claim construction. No discovery deadlines were set. On September 3, 2021, an order issued staying discovery and vacating the deadlines for amended invalidity contentions and claim construction pending early resolution of the issue of intervening rights. On September 17, 2021, Google filed the instant motion to amend.

B. LEGAL STANDARD

A motion for leave to amend the pleadings generally is governed by Federal Rule of Civil Procedure 15(a). Where, as here, a pretrial scheduling order has been entered that sets a deadline to amend the pleadings and that deadline has passed, however, Rule 16(b) governs. Coleman v. Quaker Oats Co., 232 F.3d 1271, 1294 (9th Cir. 2000) (citing Johnson v. Mammoth Recreations, Inc., 975 F.2d 604, 607-08 (9th Cir. 1992)). Pursuant to Rule 16(b)(4), a scheduling order “may be modified only for good cause and with the judge’s consent.” Fed. R. Civ. P. 16(b)(4). “Good cause” may be shown where pretrial deadlines “cannot reasonably be met despite the diligence of the party seeking the extension.” Zivkovic v. S. Cal. Edison

1 Co., 302 F.3d 1080, 1087 (9th Cir. 2002) (quoting Johnson, 975 F.2d at 609). Although a court
2 may consider prejudice to the opposing party, the “good cause” standard focuses primarily on
3 the diligence of the moving party. In re W. States Wholesale Nat. Gas Antitrust Litig., 715
4 F.3d 716, 737 (9th Cir. 2013) (citing Johnson, 975 F.2d at 609). If diligence is not shown, the
5 motion should be denied. Zivkovic, 302 F.3d at 1087 (citing Johnson, 975 F.2d at 609).

6 If good cause to modify the scheduling order is shown, the moving party must then
7 demonstrate that leave to amend is warranted under Rule 15(a). Johnson, 975 F.2d at 608.
8 Rule 15(a)(2) provides that a court “should freely give leave when justice so requires,” and this
9 policy is to be applied with “extreme liberality.” Eminence Capital, LLC v. Aspeon, Inc., 316
10 F.3d 1048, 1051 (9th Cir. 2003). Courts consider five factors in determining whether to grant
11 leave to amend: (1) undue delay; (2) bad faith or dilatory motive; (3) prejudice to the opposing
12 party; (4) futility of amendment; and (5) repeated failure to cure deficiencies by amendments
13 previously allowed. Id. at 1052 (citing Foman v. Davis, 371 U.S. 178, 182 (1962)). Of these
14 factors, “it is the consideration of prejudice to the opposing party that carries the greatest
15 weight.” Id. “Absent prejudice, or a strong showing of any of the remaining Foman factors,
16 there exists a *presumption* . . . in favor of granting leave to amend.” Id. (emphasis in original).

17 **C. DISCUSSION**

18 Google moves for leave to amend its Answer and Counterclaim to add: (1) affirmative
19 defenses of inequitable conduct and intervening rights; (2) a counterclaim for unfair
20 competition; and (3) new facts in support of previously pled defenses and counterclaims of
21 unclean hands, licensing, fraud, deceit, concealment, negligent misrepresentation, and breach
22 of contract. Netlist does not oppose amendment to add new facts in support of previously pled
23 defenses and counterclaims. The other proposed amendments are addressed below.

24 **1. Intervening Rights**

25 Google seeks to add the affirmative defense of absolute and equitable intervening rights.
26 Good cause for this proposed amendment is clearly shown as the defense was unavailable
27 before the reexamination proceedings. Netlist does not argue otherwise. Rather, Netlist argues
28 that Google should not be permitted to amend its Answer to add an intervening rights defense

1 “generically.” Opp’n at 14, Dkt. 212. Speculating that Google has failed to disclose certain
2 classes of products, such as 8-Rank and 16-Rank memory modules, Netlist argues that Google
3 should be required to allege its intervening rights defense as to the specific products it has
4 disclosed and be foreclosed from asserting the defense as to any additional products it might be
5 required to disclose in the future. This argument is not persuasive.

6 Netlist offers no evidence that Google has withheld pertinent discovery. But even if it
7 had, this amounts to a discovery dispute that ought to be brought before the assigned magistrate
8 judge. It has no bearing on whether Google should be permitted to allege an intervening rights
9 defense in its Answer. The Complaint alleges that Google’s infringing activities include its use
10 of 4-Rank FBDIMMs; it does not identify any other class of product or purport to identify all
11 classes of potentially infringing products. Google’s Answer will not be required to provide
12 more specificity than the pleading to which it responds. Accordingly, leave to amend to add
13 the affirmative defense of absolute and equitable intervening rights shall be granted.

14 **2. Inequitable Conduct**

15 Google seeks to add the affirmative defense of inequitable conduct. Inequitable conduct
16 requires that the patent applicant “misrepresented or omitted material information with the
17 specific intent to deceive the PTO.” Therasense, Inc. v. Becton, Dickinson and Co., 649 F.3d
18 1276, 1287 (Fed. Cir. 2011). Inequitable conduct must be pled with particularity under Rule
19 9(b). Exergen Corp. v. Wal-Mart Stores, Inc., 575 F.3d 1312, 1326 (Fed. Cir. 2009). Here, the
20 inequitable conduct defense is premised on what Google alleges are contradictory statements
21 Netlist made before the PTO during the reexamination proceedings and in this action.
22 Specifically, in the reexamination proceedings, Netlist asserted that it had narrowed its claims
23 to define its precise inventive contributions over the prior art, while in the instant action, Netlist
24 asserts that those same amendments were merely clarifying. Good cause for this proposed
25 amendment is clearly shown, as it could not have been asserted prior to Netlist making these
26 statements. Netlist does not argue otherwise. Rather, it argues that the amendment is futile.

27 First, Netlist argues that attorney argument before the PTO is not a basis for inequitable
28 conduct. “While the law prohibits genuine misrepresentations of material fact, a prosecuting

1 attorney is free to present argument in favor of patentability without fear of committing
2 inequitable conduct.” Rothman v. Target Corp., 556 F.3d 1310, 1328-29 (Fed. Cir. 2009)
3 (citing Young v. Lumenis, Inc., 492 F.3d 1336, 1348 (Fed. Cir. 2007)). Google does not allege
4 that Netlist misrepresented the substance of its amended claims or the relevant prior art. It
5 alleges that Netlist mischaracterized claim amendments as narrowing. This may be the sort of
6 attorney argument shielded from a claim of inequitable conduct. Nevertheless, attorney
7 argument is not *per se* shielded; statements that fall “outside the bounds of permissible attorney
8 argument” support a defense of inequitable conduct. Ring Plus, Inc. v. Cingular Wireless
9 Corp., 614 F.3d 1354, 1360-61 (Fed. Cir. 2010) (rejecting patentee’s claim that statement “was
10 merely attorney argument and could not be a material misrepresentation”); ParkerVision, Inc.
11 v. Qualcomm Inc., 924 F. Supp. 2d 1314, 1320 (M.D. Fla. 2013) (stating attorney argument
12 may exceed the bounds of acceptability if it is based on distorted facts or contrary to what a
13 person of ordinary skill in the art would understand). Based on the facts of this case, a
14 determination whether Netlist’s statement to the PTO constitutes a material misrepresentation
15 or permissible attorney argument is best resolved at a later stage of the proceedings. See
16 ParkerVision, 924 F. Supp. 2d at 1320 (declining to resolve issue on a motion to dismiss).

17 Netlist’s other arguments are likewise unpersuasive. Netlist argues that Google fails to
18 allege the requisite falsity. Relying on the different standards applicable in reexamination
19 proceedings and infringement actions, Netlist asserts that an amendment can be narrowing
20 under the BRI standard and clarifying under Phillips. However, falsity is a factual issue not
21 properly resolved at the pleading stage. Netlist also argues that Google fails to show
22 materiality because the PTAB did not expressly rely on Netlist’s statement. The materiality
23 standard, however, is objective. See Ring Plus, 614 F.3d at 1361 (rejecting claim that a
24 misrepresentation of prior art was not material because the examiner did not cite to those
25 references). Thus, for purposes of pleading, Google’s allegations are sufficient. Finally,
26 Netlist argues that Google has not alleged specific facts showing an intent to deceive. Google
27 need not do so at this stage. Although inequitable conduct is subject to a heightened pleading
28 standard, intent may be alleged generally, provided the pleadings allege sufficient underlying

1 facts from which a court may reasonably infer that a party acted with the requisite state of
2 mind. Exergen, 575 F.3d at 1327 (citing Fed. R. civ. P. 9(b)). Accordingly, leave to amend to
3 add the affirmative defense of inequitable conduct shall be granted.

4 3. UCL

5 Lastly, Google seeks to add a claim under California’s unfair competition law (“UCL”),
6 Cal. Bus. & Prof. Code § 17200 et. seq. Google clarifies in its reply brief that it seeks to state
7 such a claim only under the UCL’s fraud prong. To state a claim under that prong, Google
8 must “allege facts showing that members of the public are likely to be deceived by the alleged
9 fraudulent business practice.” In re Anthem Inc. Data Breach Litig., 162 F. Supp. 3d 953, 990
10 (N.D. Cal. 2016). Here, Google alleges that Netlist failed to disclose in a timely fashion the
11 ’912 patent to JEDEC when the DDR standards were being considered and adopted. Courts
12 have upheld UCL claims under similar circumstances. See Apple, Inc. v. Motorola Mobility,
13 Inc., No. 11-CV-178-BBC, 2011 WL 7324582, at *11–14 (W.D. Wis. June 7, 2011) (denying
14 motion to dismiss UCL claim where it was alleged that the patentee “ma[de] false licensing
15 commitments to standards setting organizations” and “fail[ed] to disclose essential patents or
16 applications to those organizations until after certain standards were adopted”).

17 Google’s claim is based on two separate allegations of fraud: (1) that Netlist failed to
18 disclose in time the ’912 patent (or the application for that patent) before JEDEC members
19 voted to include the accused technology in the DDR2 and DDR3 standards; and (2) that Netlist
20 failed to disclose the ’912 patent at all before JEDEC members adopted the DDR4 standard.
21 Regarding good cause, Google appears to acknowledge that the facts underlying the first
22 instance of fraud were available prior to the issuance of the stay. Google notes that the same
23 allegations underly its previously pled fraud claim, however; thus, Google is asserting only a
24 new theory of liability, not new facts. As to the second instance of fraud, Google persuasively
25 argues that the facts underlying this part of its UCL claim did not come to light until after the
26 stay was lifted in this action, i.e., when Netlist amended its infringement contentions to allege
27 that claim 16 of the ’912 patent reads on DDR4 technology. Accordingly, good cause has been
28 shown to allege the proposed UCL claim.

1 Regarding the propriety of amendment under Rule 15, Netlist argues that the UCL
2 claim is futile on five grounds. First, Netlist argues that Google’s UCL claim is barred by the
3 four-year statute of limitations. As to the first instance of fraud set forth above (regarding the
4 DDR2 and DDR3 standards), Google persuasively argues that the claim is permitted under the
5 relation-back doctrine. As to the second instance of fraud, Google persuasively invokes the
6 delayed discovery rule. See Robinson Helicopter Co. v. Dana Corp., 34 Cal. 4th 979, 990
7 (2004) (a fraud claim “is not deemed to have accrued until the discovery, by the aggrieved
8 party, of the facts constituting the fraud or mistake”). Netlist allegedly failed to disclose the
9 ’912 patent as relevant to the DDR4 standards in or about September 2012. Google argues it
10 was not on notice of Netlist’s claim that DDR4 technology infringes the ’912 patent, however,
11 until Netlist served its amended infringement contentions in May 2021. Netlist counters that
12 Google should have known the ’912 patent applies to DDR4 technology because it is familiar
13 with the patent, which “states on its face that it can apply to ‘DDR1, DDR2, DDR3, and
14 beyond.’” Opp’n at 5. However, a claim may be dismissed as barred by the statute of
15 limitations only when the running of the statute is apparent on the face of the complaint. Von
16 Saher v. Norton Simon Museum of Art at Pasadena, 592 F.3d 954, 969 (9th Cir. 2010). Given
17 the allegations of the amended counterclaim, Google pleads facts to support delayed discovery.

18 Second, Netlist argues that Google has not alleged standing to sue under the UCL. A
19 party has standing to sue under the UCL if it “suffered injury in fact” and “lost money or
20 property as a result of the” challenged action. Cal. Bus. & Prof. Code § 17204. Economic
21 injury may be shown in several ways, however, including being required to enter a transaction,
22 costing money or property, that would otherwise be unnecessary. Ehret v. Uber Techs., Inc.,
23 68 F. Supp. 3d 1121, 1133 (N.D. Cal. 2014). Google alleges, among other things, that it will
24 be forced to pay Netlist exorbitant royalties due to the adoption of standards that did not
25 account for Netlist’s intellectual property. This is sufficient to allege standing.

26 Third, Netlist argues that Google’s proposed amendment fails because it does not
27 identify the prong or prongs of the UCL upon which it relies. Insofar as Google failed to do so
28

1 in its proposed amended counterclaim, however, it has now clarified that it alleges a claim
2 solely under the fraud prong. Leave to amend will not be denied on this basis.

3 Fourth, Netlist argues that, to the extent Google bases its UCL claim on positions
4 Netlist has taken in this litigation (i.e., that claim 16 covers certain embodiments of DDR4
5 technology), this is petitioning activity protected by the Noerr-Pennington doctrine and cannot
6 serve as a basis for liability. Google's UCL claim is not premised on positions Netlist has
7 taken in this litigation, however; it is premised on Netlist's failure timely to disclose the '912
8 patent to JEDEC. That Google learned of the patent's relevance to the DDR4 standard through
9 Netlist's infringement contentions in this action does not mean the claim itself is based on
10 those contentions. Rather, this simply alerted Google to the fact that Netlist should have
11 disclosed the '912 patent as relevant to the DDR4 standard.

12 Fifth and finally, Netlist argues that Google fails to plead facts to state a UCL claim. To
13 state a claim based on fraud, Google must plead facts showing that: (1) Netlist concealed or
14 suppressed a material fact; (2) Netlist was under a duty to disclose the fact; (3) Netlist
15 intentionally concealed or suppressed the fact with the intent to defraud; (4) Google was
16 unaware of the fact and would have acted differently if it had known of the fact; and (5) as a
17 result, Google sustained damages. Ahern v. Apple, Inc., 411 F. Supp. 3d 541, 561 (N.D. Cal.
18 2019). Google adequately alleges facts to support each element. It alleges that Netlist failed to
19 disclose the '912 patent before JEDEC members voted on the relevant DDR standards; that
20 Netlist was under a duty to disclose the patent pursuant to the JEDEC Patent Policy; that
21 Netlist did so intentionally and with the intent to defraud; that the other JEDEC members
22 including Google were unaware that the '912 patent was relevant to the DDR standards being
23 voted upon, and that Netlist's silence induced them to rely on those standards as being free of
24 intellectual property encumbrances; and that Google is now suffering damages as a result. No
25 more is required. Accordingly, leave to amend to add a UCL counterclaim shall be granted.

26 **V. CONCLUSION**

27 As set forth above, it is hereby ordered that:
28

1 1. Google's motion to strike is granted in part and denied in part. The motion is
2 granted with respect to the revised priority and conception dates set forth in Netlist's
3 amended disclosures, and Netlist is precluded from asserting a priority or conception date
4 earlier than July 5, 2004. The motion is denied with respect to the assertion of claim 16.

5 2. Google's motion for summary judgment on the issue of intervening rights is
6 granted in part and denied in part. The motion is denied as to claim 16 and granted as to
7 the remainder of the asserted claims (i.e., claims 1, 3, 4, 6, 8, 10, 11, 15, 18-20, 22, 24, 27-
8 29, 31, 32, 34, 36-41, 43, 45-47, 50, 52-60, 62-65, 69-75, 77, and 80-91). As to these
9 claims, accused products purchased and/or used prior to February 8, 2021 are subject to
10 absolute intervening rights under 35 U.S.C. §§ 252 and pre-AIA 316(b).

11 3. Netlist's motion for summary judgment (i.e., that Google is not entitled to
12 intervening rights as to claim 16) is granted.


13 4. Google's motion to amend its Answer and Counterclaim is granted.

14 5. This order terminates Docket Nos. 153, 155, 156, and 206.

15 6. The parties shall appear for a further case management conference on June
16 23, 2022 at 10:00 a.m. to be held via Zoom Webinar.

17
18 IT IS SO ORDERED.

19 Dated: May 5, 2022


Richard Seeborg
Chief United States District Judge